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# FOREST CONTROL

## by CONTINUOUS INVENTORY

"Today I have grown taller from walking  
with the trees."

...Karle Wilson

Milwaukee, Wis. May, 1963 No. 110

### GOVERNMENT SERVICE

The greatest good that government can do is to give service. When there is too much government there is very little of the sense of being served, but when there is a great deal of service, there is very little of the sense of being governed.

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CAL STOTT



May, 1963

GOVERNMENT SERVICE  
THROUGH STATE AND PRIVATE FORESTRY COOPERATION

It is every industrial forest landowner's pleasure and his right to manage or govern his own forest property. There are times, I am equally sure, when experienced government cooperation may be of value to the industrial forest land manager, and we may all be sure that this cooperation will be most acceptable if it is given as a service assisting the owner to find the facts on which better forest land management may be based. This was the spirit and foundation on which State and Private Forestry Cooperation was built when I first came on the job in 1934.

Industrial and state cooperation has been a technical action program from the start. It has always been deeply involved in forest inventory. Cooperative foresters explored industrial lands with their owners, to find the salient facts about the forests. There were few current inventories of complete forest properties in the 1930's and 1940's.

It naturally followed that collected information had to be data processed, and this, too, became a part of the cooperation after 1950. All of this work has been done as a service for the companies and for the good of the woods.

Today, one or two government foresters give this type of cooperative service in each of several national forest regions. These men always accomplish their work in direct association with industrial foresters, assisting them on inventory, data processing, and related forest management projects. These government foresters have no personal managerial aspirations. They build no grand mansions for themselves or for the Forest Service. The number of men involved in the work has long remained at the original level of 30 years ago. But the work has increased on a grand scale.

Cooperative foresters give assistance in the closely related fields of fact finding, machine computation and compilation, and preliminary analysis of results. The information recovered contributes to good forest management and good government as well. Cooperative foresters do not need to become entangled in managerial functions to accomplish the objectives of their jobs.

Now, it is sometimes said that any old juggins can do these things. Well, there were not many old juggins doing them 30 years ago, and there are all too few now. This working arrangement between industrial and government foresters has been of mutual benefit. There are many letters in the files to show that this is so. Anyway, this association of industrial and government foresters looks forward to intensified industrial forest exploration and improvement, the initiation of valuation surveys, expanded action programs correlating

transportation, markets, plants and forests, a full realization of established allowable cuts, new emphasis on diversified utilization, standard programs for the larger electronic data computers, and many other developments in the silvicultural and business management of the forest. Since all of this rests on the foundation of forest inventory, there will be no let-up in the Region's continuing concept of industrial inventory controls.

CAL STOTT  
Forester, Region 9  
U. S. Forest Service  
Milwaukee, Wis.

4/30/63

THE SEQUENTIAL STEPS IN INVENTORY CONTROL PLANNING  
INDUSTRIAL AND GOVERNMENT FORESTERS WORKING TOGETHER

1. General discussion of CFI feasibility and purposes.  
Correspondence or conference.
2. Preparation of preliminary flow charts and flow plans for the data processing. Availability of machines. Port-A-Punch and 80-column card layout, plates and orders. Coding system for all data. Auto positive plates for PAP board templates. Sampling intensity and design. Guides and instructions for the field work. Man power, tools and transportation.  
Conference of one to two weeks in Milwaukee, Wis.
3. Demonstrating plot techniques. Field training and practice.  
Conference of one week in the woods.
4. Supervision and check of plot work.  
Conference of one to two weeks in the woods.
5. Sort checking the field punched PAP cards at intervals throughout the course of the project.  
Conference at a data processing center.
6. Preparing machine specifications for the smaller computers.  
Conference of one week in Milwaukee, Wis.
7. Assisting in the preparation of programs for the larger computers.  
Conference of several weeks at a data processing center.
8. Completing the data processing for the entire CFI case.  
Conference of 3 to 10 days at a data processing center.
9. Making a preliminary analysis of the processed data. Outlines and plans for reports and management plans.  
Conference of several days in Company offices.
10. Discussions, correspondence and contacts continue on these cases for some time after each measurement and remeasurement.

Cal Stott  
Dick Smith

CFI IN REGION NINE  
INDUSTRIAL COOPERATION

WORK PROGRAM, MAY THROUGH OCTOBER, 1963

- May 1 - 3 CFI data processing. Ford Forestry Foundation.  
In Milwaukee, Wisconsin  
CFI remeasurement conference. U. S. Bureau of  
Indian Affairs.  
In Milwaukee, Wisconsin
- May 6 - 10 CFI field day preparation for training crew chiefs.  
North Lake, Wisconsin  
CFI Newsletter on Government Service.  
CFI field instruction review. Menominee Enterprises  
and Wisconsin Conservation Department.  
In Milwaukee, Wisconsin  
CFI program planning, Celotex Corporation.  
In Milwaukee, Wisconsin
- May 13 - 17 CFI field days for training crew chiefs.  
North Lake, Wisconsin  
CFI Newsletters on Weighted Vigor Grading and  
Improved Port-A-Punch Methods.  
CFI preparation of PAP cards for field use. Mead Corp.  
In Milwaukee, Wisconsin
- May 20 - 31 CFI listings and cards for local woods plots.  
Special study on Log Grade Yields - Copper Range Co.  
In Milwaukee, Wisconsin
- \*\*\*\*\*
- June 3 - 7 Annual leave. Current work. Data processing local  
woods plots. Correspondence.
- June 10 - 14 CFI data processing. Pioneer project.  
In Columbia, Missouri
- June 17 - 28 CFI field training. Mead Corporation.  
Escanaba, Michigan  
CFI field training. Kimberly-Clark Corporation.  
Marenisco, Michigan  
CFI data processing; EDP. Celotex Corporation.  
Chicago, Illinois

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- July 1 - 19 CFI field training. Menominee Forest Enterprises.  
Neopit, Wisconsin  
CFI field training. Mosinee Paper Mills, Inc.  
Solon Springs, Wis.
- July 22 - 31 CFI field training. Oliver Mining Company.  
Norway, Michigan  
Electronic Data Processing planning and programming  
with summer student.  
In Milwaukee, Wisconsin
- \*\*\*\*\*
- Aug. 5 - 30 E.D.P. planning and programming continued.  
In Milwaukee, Wisconsin  
CFI Newsletter material on statistical check program  
for the IBM 1620.  
CFI field checks on going projects. Five companies.  
CFI Preliminary - E.D.P. planning on Kimberly-Clark  
conversion to 7070 computer.  
At Neenah, Wisconsin
- \*\*\*\*\*
- Sept. 3 - 30 SAF meeting in Boston, Massachusetts.  
CFI check on going projects. Five companies.  
Check sorts.  
CFI trial application of new, improved PAP procedures  
in local woods.  
CFI Newsletter, Cooperative Programs Bind the  
Forest Service, Not Only the Program Administrator.
- \*\*\*\*\*
- Oct. 1 - 31 CFI field checks on going projects. Five companies.  
Check sorts.  
CFI Newsletters. Standard EDP Programs for Data  
Processing CFI Cases. Further Information on  
3-Dimensional Graphs of Inventory Information,  
and Seasonal News.  
CFI Prepare fall and winter programs of work on data  
processing and planning for C.F.I. in 1964.

Cal Stott  
Dick Smith  
Jim Hool  
Foresters